

**ABSTRACT OF THE DISCLOSURE**

An electronic system (L) has a configurable electronic circuit (38) for replicating an output signal from a respective known electronic system replaceable sub-component  
5 module (32) of a known electronic master system (L). The output signal (68) from the electronic system sub-component (32) is generated as the result of the function of the electronic system sub-component (32). An input/output interface (30) electronically mates the configurable electronic circuit (38) to the electronic master system (L). A configuration controller element (40) is electronically connectable with the  
10 configurable electronic circuit (38), and configures the configurable electronic circuit (38) to replicate a selected function and operational characteristics of the known electronic system sub-component (32). The configurable electronic circuit (38) further has an output (70) adaptable or suitable as an input to the electronic master system (L) to replicate and replace functions of the known electronic system sub-component (32)  
15 acting in the electronic master system (L).